



General Electric Company
475 Central Expressway, San Jose, CA 95128

April 6, 1992

MFN No. 073-92
Docket No. STN 52-001
SLK-9244

Document Control Desk
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

Attention: Robert C. Pierson, Director
Standardization and Non-Power Reactor Project Directorate

Subject: Tier 1 Design Certification Material for the GE ABWR Design,
Stage 2 Submittal.

Enclosed are thirty-four (34) copies of the Stage 2 GE ABWR Tier 1 Design Certification material. The Stage 2 material includes Tier 1 design descriptions and proposed inspections, tests, analyses and acceptance criteria (ITAAC) for forty (40) ABWR systems. Also included is Tier 1 material covering selected generic issues as well as entries defining the technical interfaces between the certified design and site-specific design features. This submittal represents fulfillment of the GE commitment to submit Stage 2 Tier 1 material by 3/31/92.

The enclosed material does not include the following information:

1. ITAAC-related changes resulting from disposition of the Interface items that were discussed during the 3/25-26/92 GE/NRC meetings in San Jose. When there is GE/NRC consensus on these dispositions, the necessary ITAAC modifications will be made and submitted to NRC.
2. Modification of the generic piping material to reflect the larger issues raised by the 3/23/92 through 3/26/92 NRC audit of ABWR piping. The enclosed piping material has been modified in response to the more limited NRC comments on the current scope of the proposed ITAAC. When there is GE/NRC consensus on the larger issues, the Tier 1 piping material will be modified and submitted to NRC.
3. Tier 1 material for the Human Factors Engineering (HFE)/Main Control Room design process. This issue is currently being actively reviewed by GE and NRC and by mutual agreement is not addressed in the enclosed Stage 2 submittal.

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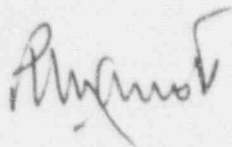
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4. The Reactor Building Tier 1 material and the arrangement drawings supporting the radiation protection entries. We are having production difficulties with this material and it will be submitted separately as soon as it becomes available.

GE views the enclosed material as Draft in the sense that we fully anticipate technical interactions with the staff and modifications of the enclosed material similar to the process which occurred on the pilot example material submitted earlier. Based on comments at the 3/25/92 through 3/26/92 GE/NRC meetings in San Jose, it is our understanding that within approximately two weeks the NRC staff will inform GE of the expected schedule for the first round of NRC comments on the enclosed Stage 2 material.

Sincerely,



P. W. Marriott, Manager
Regulatory and Analysis Services
M/C 444, (408) 925-6948

Enclosure

cc: F. A. Ross - DOE
N. D. Fletcher - DOE
C. Poslusny, Jr. - NRC
R. C. Berglund - GE
J. F. Quirk - GE